Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION

VSC 75 - High Resolution Scan Converter

Autoscanning up to 1280 x 1024 @ 60 Hz

VGA/Mac input

RS-232 remote control

Rack-mountable

Composite video & S-video outputs

Two vertical (anti-flicker) filters

Sizing and zoom controls

Internal test pattern generator

Centering/pan controls

Internal power supply

SERVICE 3 SUPPORT SOLUTIONS

Application

Extron's **VSC 75** high resolution computer-to-video scan converter uses Extron's exclusive advanced digital processing to convert high-resolution computer-video images from as high as 1280 x 1024 @ 60 Hz down to NTSC or PAL video for use in videoconferencing, video recording, or viewing applications. Videoconferencing users at the near end may integrate computer sources into their conferences by scan converting higher-resolution signals down to composite video or S-video for CODEC input. The VSC 75 utilizes 720 pixels per line sampling to capture high-resolution information, ensuring sharp image output. An internal test pattern generator outputs color bar patterns for setting up color adjustments.

Features

- **Autoscanning –** Recognizes and converts computer images from 560 x 384 up to 1280 x 1024 @ 60 Hz.
- **VGA/Mac input –** 15-pin D and HD connectors available for easy connection to any Macintosh or IBM-compatible computer. The passive local monitor output allows the user to display images on the local monitor as video plays simultaneously on the display device.
- **Outputs –** Outputs NTSC or PAL video as composite video and S-video outputs.
- **Memory locations–** Includes 30 factory/user memory presets for horizontal & vertical sizing, vertical filter, and horizontal & vertical centering settings with autosave and auto-recall.
- **Internal test pattern generator –** Outputs color bar patterns for setting up color adjustments.
- **Picture controls –** Freeze, horizontal & vertical sizing, zoom, and horizontal & vertical centering/pan controls available.
- **Vertical filtering –** Two user-selectable levels of vertical filtering reduce flicker.
- **Simple Instruction Set (SIS™) –** Extron's SIS provided for RS-232 control via Extron's Windows®-based control program or third-party control.
- **Rack-mountable –** The rack-mountable VSC 75 is housed in a 1U high, 1/2 rack width enclosure.
- **Internal power supply –** 100-240VAC, 50/60 Hz, auto-switchable internal power supply included.
- **Cables included –** Includes a VGA/Mac input adapter cable.

Specifications

Video input
- Number/type ..... 1 VGA, 1 Mac analog RGBHV, RGBS, RGsB
- Connectors ..... VGA..... 15-pin HD female
  Mac ..... 15-pin D female
- Nominal level(s) ..... Analog — 0.7V p-p
- Maximum level(s) ..... Analog — 2.0V p-p with no offset
- Impedance ..... 75 ohms or high Z (DIP switch-selectable)
- Horizontal frequency ..... Autoscan 24 kHz to 71 kHz
- Vertical frequency ..... Autoscan 50 Hz to 120 Hz
- Resolution range ..... Autoscan 560 x 384 to 1280 x 1024
  Note: 1280 x 1024 is available at 60 Hz only

Video processing
- Encoder ..... 10 bit digital
- Digital sampling ..... 24 bit, 8 bits per color; 50 MHz standard
- Colors ..... 16.8 million
- Horizontal filtering ..... 1 level
- Vertical filtering ..... 2 levels (selectable)

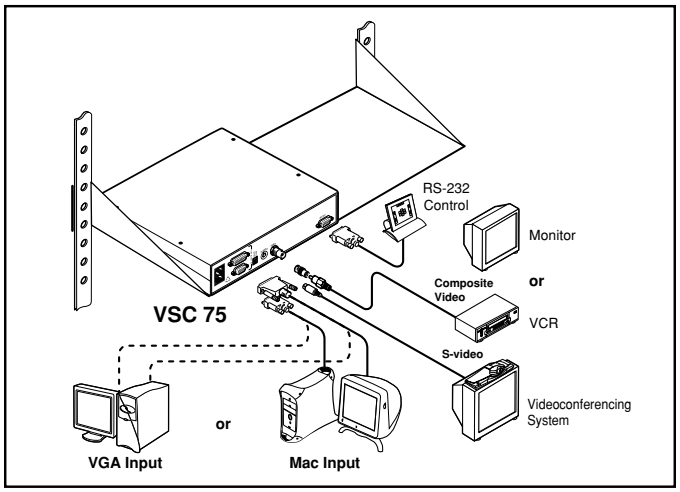
Video output
- Number/type/format
  - 1 S-video ..... 15.75 kHz, 525/625 lines, and
  - 1 composite video — NTSC .. 15.75 kHz, 525 lines, or
  - 1 composite video — PAL (B, D, G, H, I) ..... 15.5 kHz, 625 lines
- Connectors
  - S-video ..... 1 4-pin mini-DIN female
  - Composite video ..... 1 BNC female
- Nominal level ..... 1.0V p-p
- Impedance ..... 75 ohms

Control/Remote — scan converter
- Serial control port ..... RS-232, 9-pin female D connector
- Baud rate and protocol ..... 9600, 8-bit, 1 stop bit, no parity
- Pin configurations ..... 2 = TX, 3 = RX, 5 = GND
- Program control ..... Extron's control program for Windows
  Extron's Simple Instruction Set – SIS

General
- Power ..... 100VAC to 240VAC, 50/60 Hz, 40 Watts, internal, auto-switchable
- Temperature/humidity ..... Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing
  Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
- Rack mount ..... Yes, with optional rack shelf, part #60-190-01
- Enclosure type ..... Metal
- Enclosure dimensions ..... 1.75" H x 8.75" W x 9.50" D
  4.45 cm H x 22.23 cm W x 24.13 cm D
- Shipping weight ..... 11 lbs (5 kg)
- Vibration ..... NSTA 1A in carton (National Safe Transit Association)
- Approvals ..... UL, CE, FCC Class A, CUL
- MTBF ..... 30,000 hours
- Warranty ..... 2 years parts and labor

Part number 60-321-01

APPLICATION DIAGRAM



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